TITLE: An Implementation of a Turbo Decoder
INVENTOR: Warm Shaw Yuan
Attorney Docket: M-7976 US

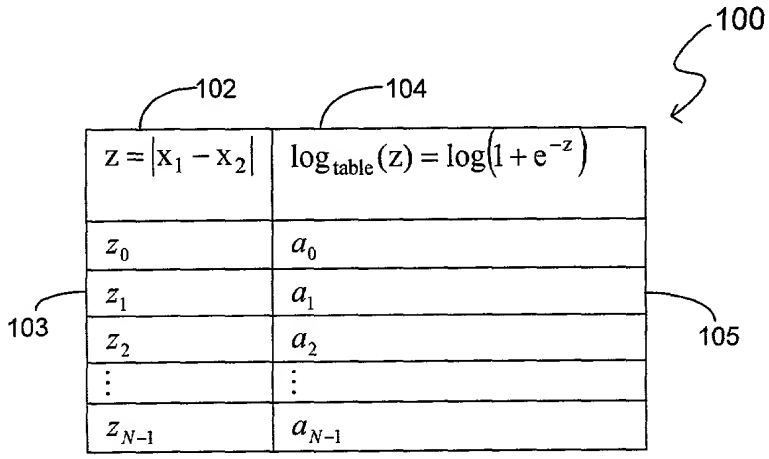

Figure 1 (Prior Art)

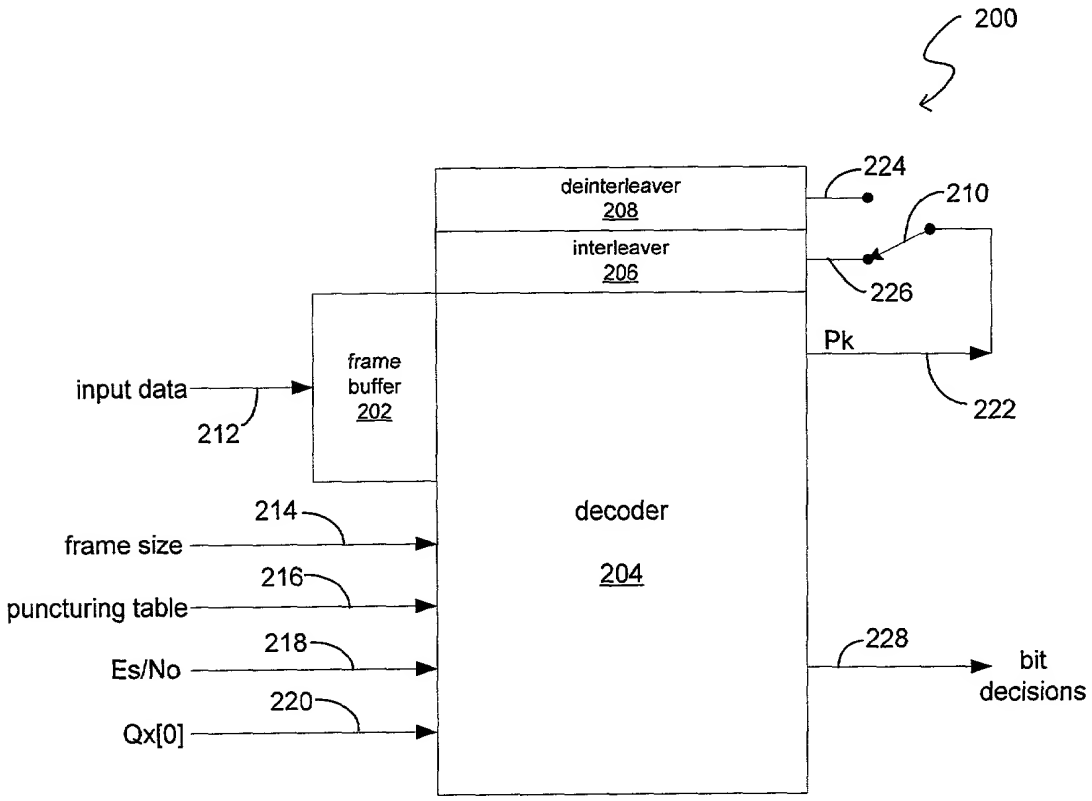

Figure 2

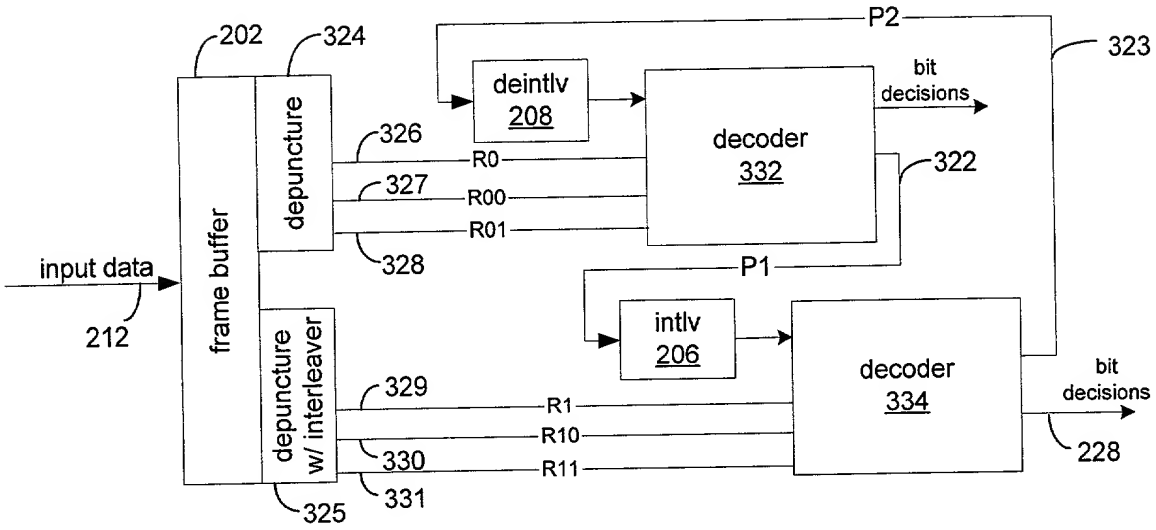

Figure 3

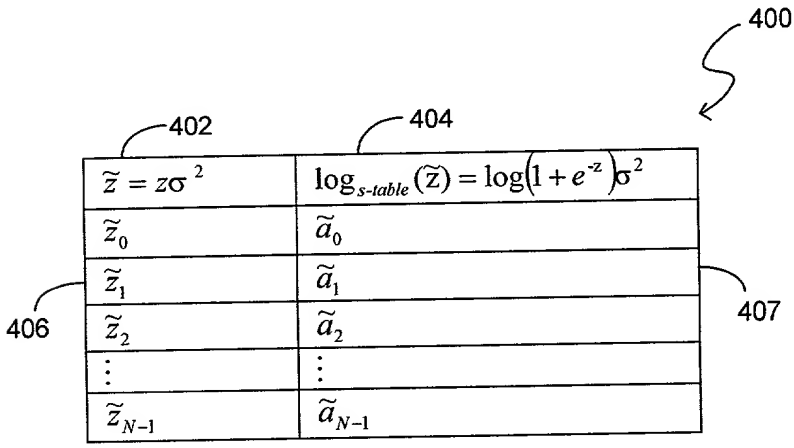

Figure 4

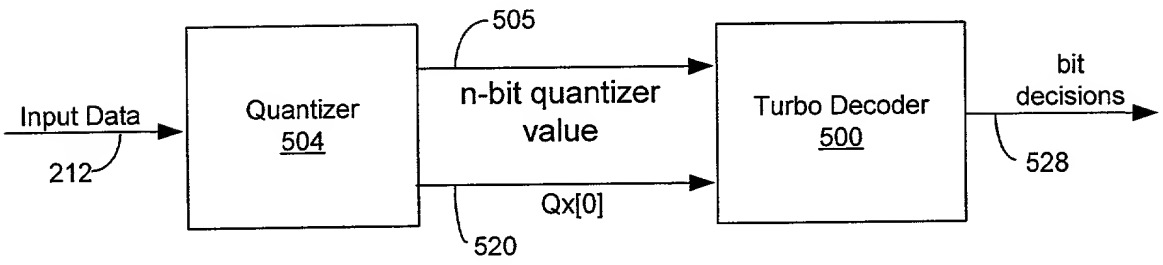

Figure 5

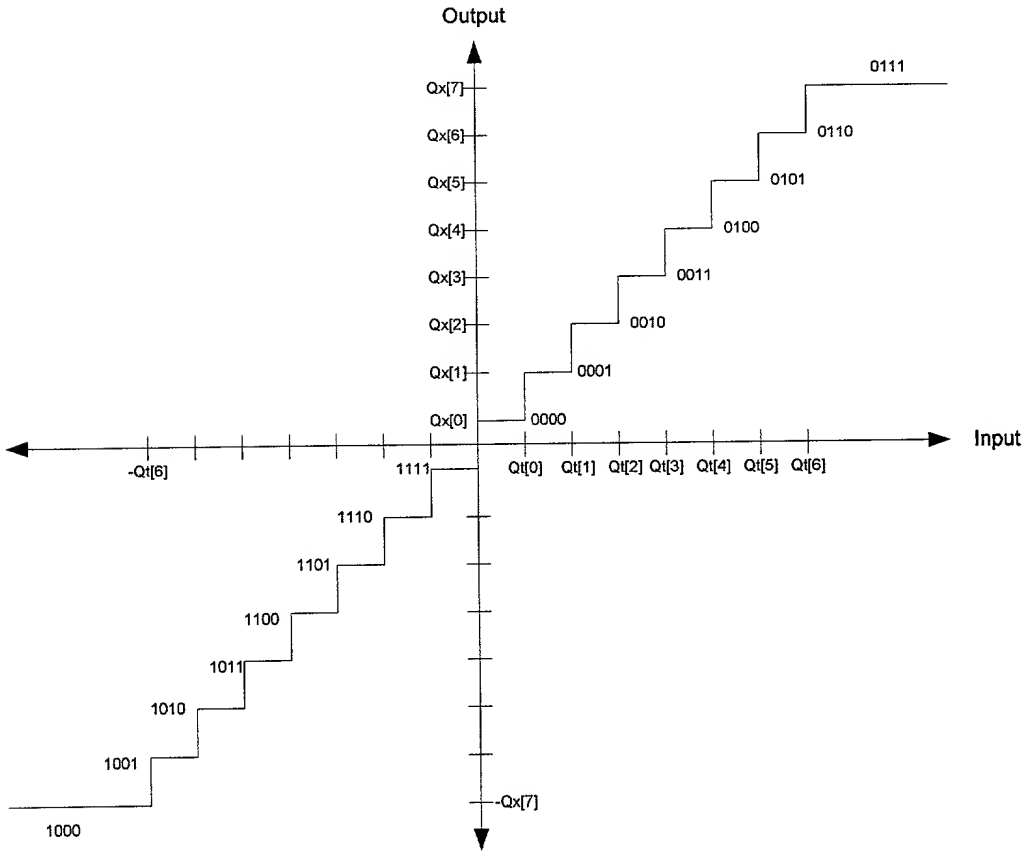

Figure 6

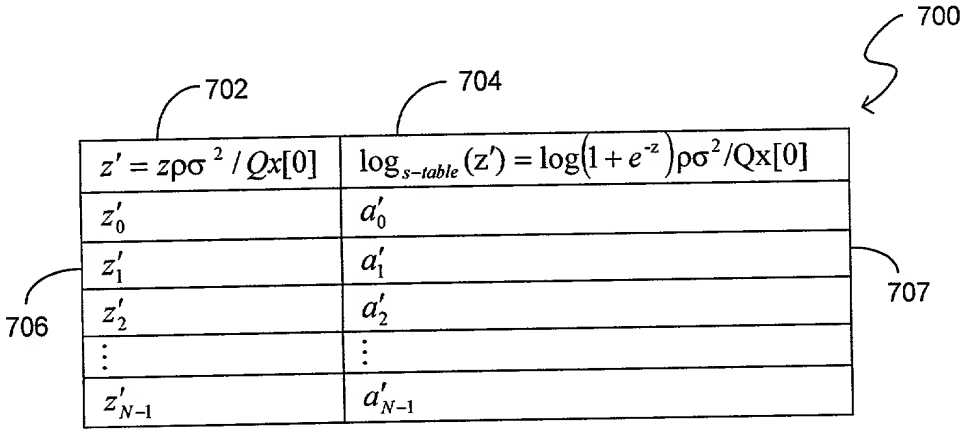

Figure 7

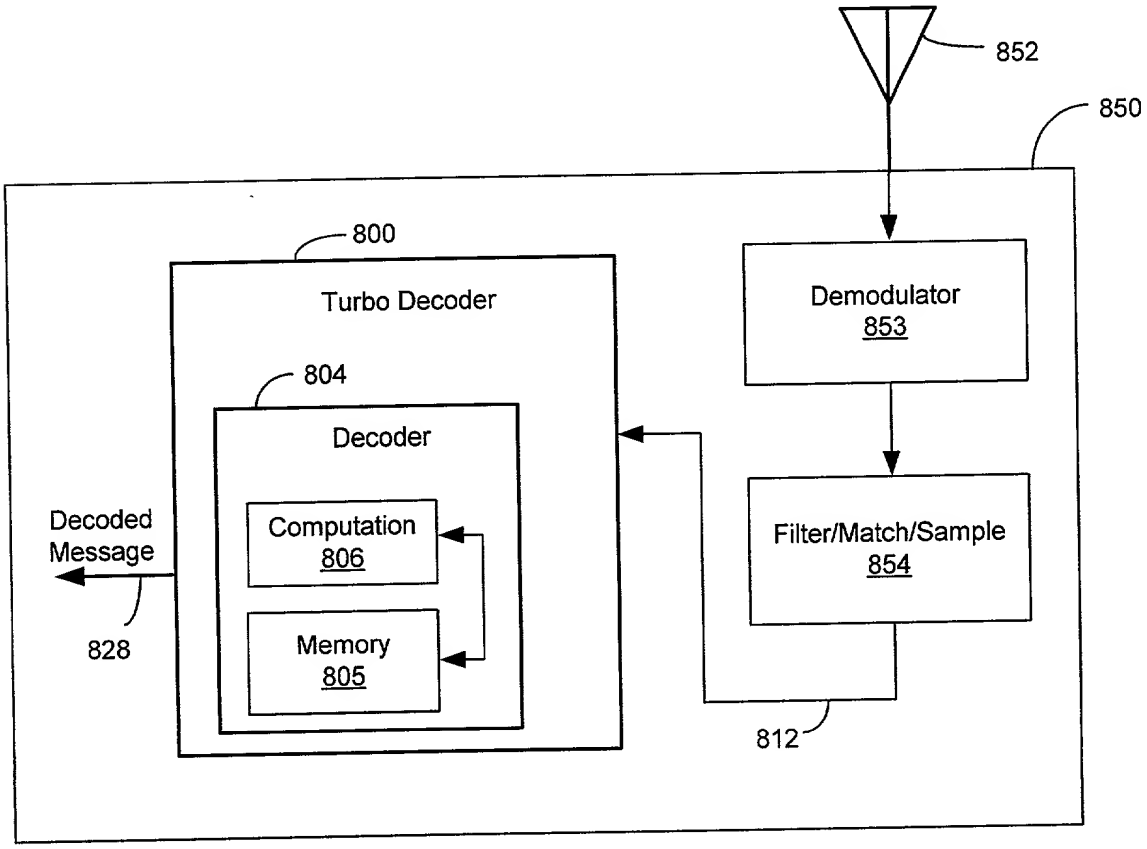

Figure 8

900

902 $\bar{z}$	910 z_{Addr}	904 $\log_{table}(\bar{z}) = \log(1+e^{-\bar{z}})$
$\bar{z}_0 = 0$	0	$\bar{a}_0$
$\bar{z}_1 = 1 \times 2^{\lfloor log_2(z_1) \rfloor}$	1	$\bar{a}_1$
$\bar{z}_2 = 2 \times 2^{\lfloor log_2(z_1) \rfloor}$	2	$\bar{a}_2$
$\vdots$	$\vdots$	$\vdots$
$\bar{z}_{2N-1} = (2N-1) \times 2^{\lfloor log_2(z_1) \rfloor}$	$2N-1$	$\bar{a}_{2N-1}$

Figure 9

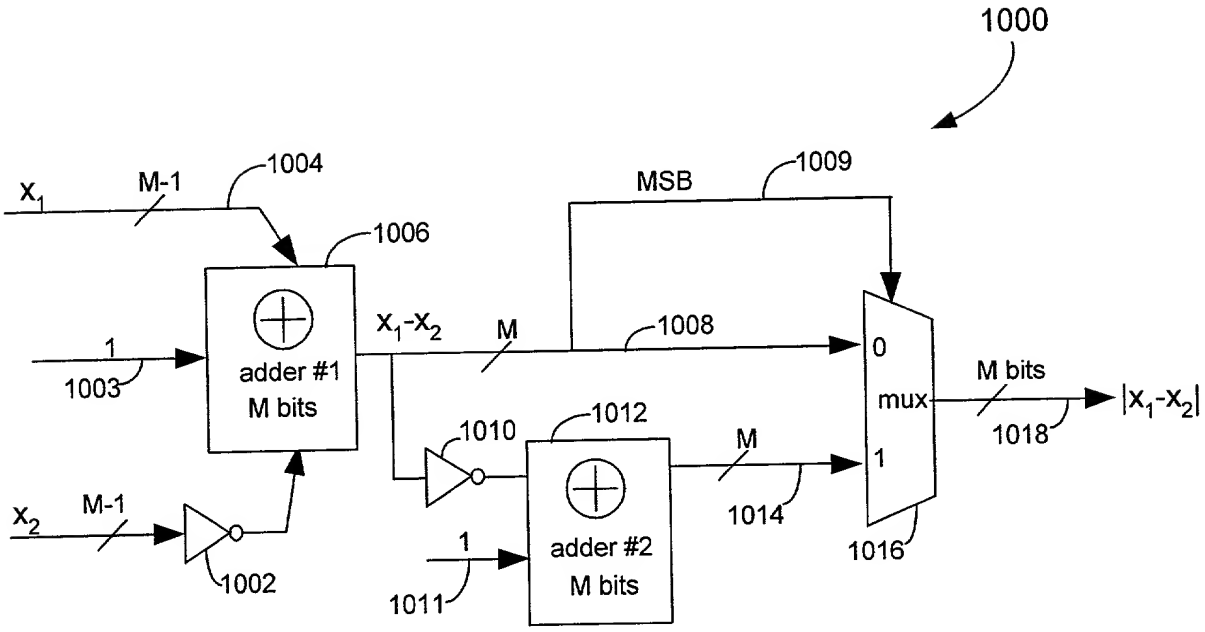

Figure 10

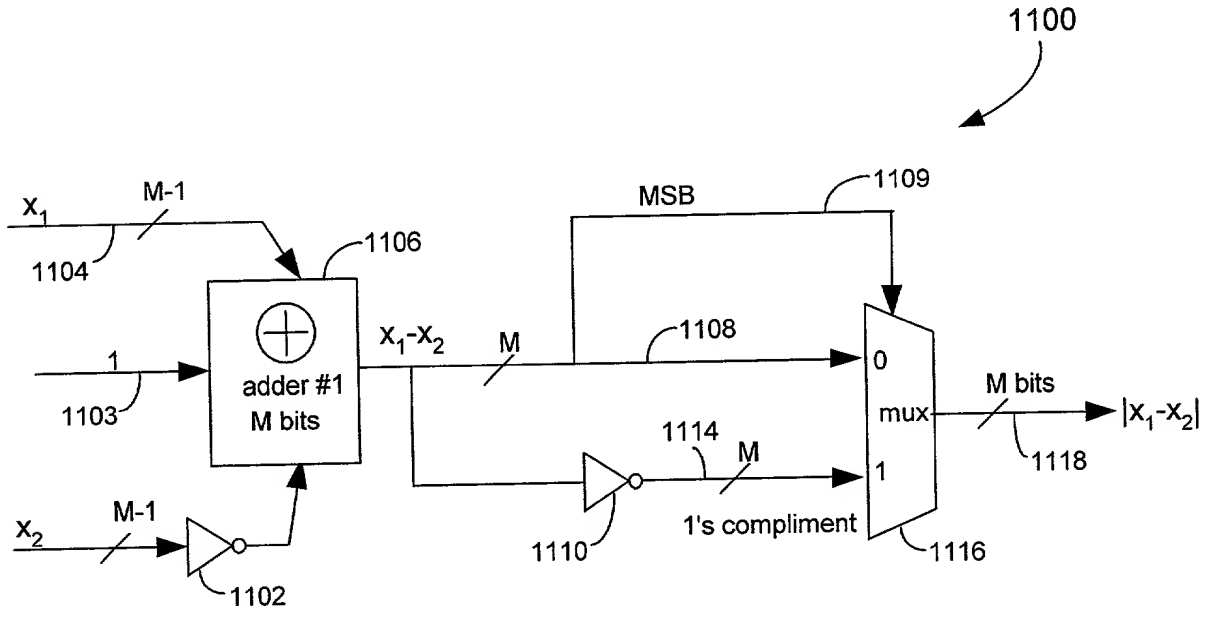

Figure 11

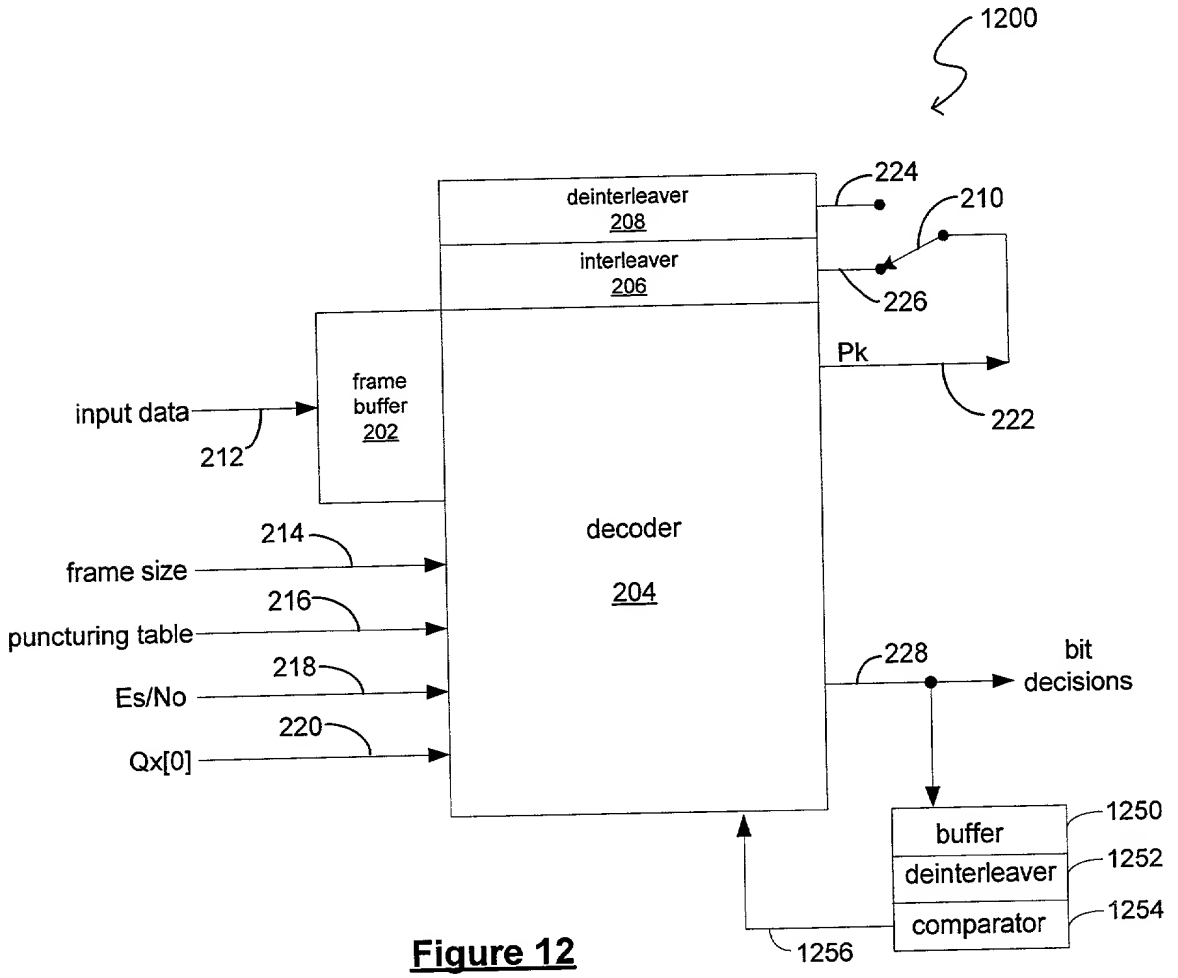

Figure 12

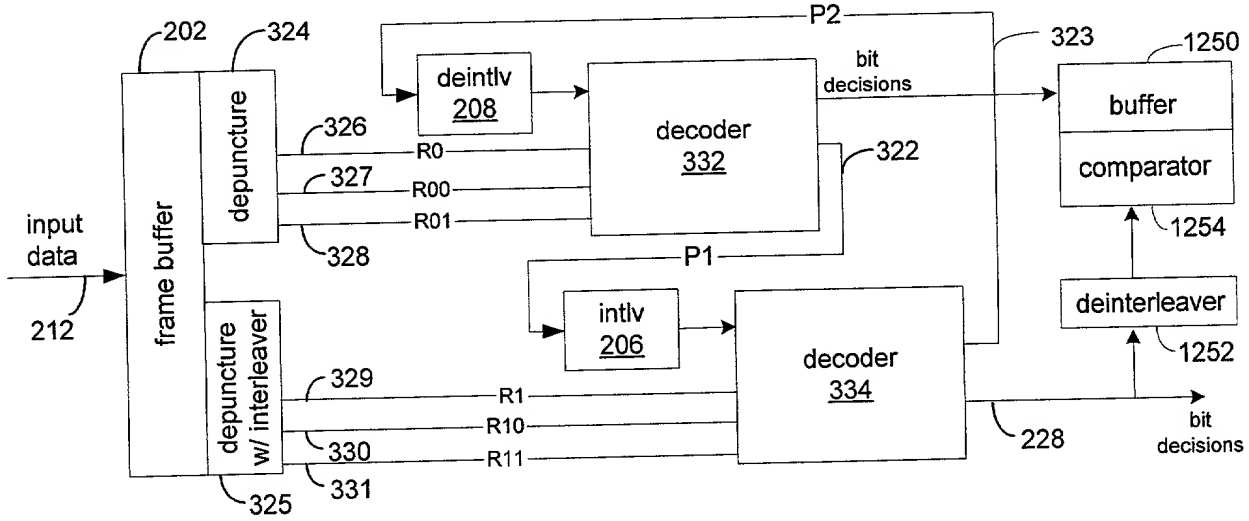

Figure 13